

EXHIBIT 57

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
interface ethernet	interface ethernet	Command Syntax <code>interface ethernet e_range</code> Parameters <ul style="list-style-type: none">• <i>e_range</i> Ethernet interfaces (number, range, or comma-delimited list of numbers and ranges). Valid Ethernet numbers depend on the switch's available Ethernet interfaces.	No
interface loopback	interface loopback	Command Syntax <code>interface loopback l_range</code> <code>no interface loopback l_range</code> <code>default interface loopback l_range</code> Parameters <ul style="list-style-type: none">• <i>l_range</i> Loopback interfaces (number, range, or comma-delimited list of numbers and ranges). Loopback number ranges from 0 to 1000.	No
interface port-channel	interface port-channel	Command Syntax <code>interface port-channel p_range</code> <code>no interface port-channel p_range</code> <code>default interface port-channel p_range</code> Parameter <ul style="list-style-type: none">• <i>p_range</i> port channel interfaces (number, range, or comma-delimited list of numbers and ranges) Port channel numbers range from 1 to 2000.	No

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interface vlan	interface vlan	<p>Command Syntax</p> <pre>interface vlan v_range no interface vlan v_range default interface vlan v_range</pre> <p>Parameter</p> <ul style="list-style-type: none"> <i>v_range</i> VLAN interfaces (number, range, or comma-delimited list of numbers and ranges). VLAN number ranges from 1 to 4094. 	No
ip access-group	ip access-group	<p>Command Syntax</p> <pre>ip access-group list_name [VRF_INSTANCE] DIRECTION no ip access-group [list_name] [VRF_INSTANCE] DIRECTION default ip access-group [list_name] [VRF_INSTANCE] DIRECTION</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>list_name</i> name of ACL assigned to interface. <i>VRF_INSTANCE</i> specifies the VRF instance being modified. <ul style="list-style-type: none"> <no parameter> changes are made to the default VRF. <i>vrf vrf_name</i> changes are made to the specified user-defined VRF. <i>DIRECTION</i> transmission direction of packets, relative to interface. Valid options include: <ul style="list-style-type: none"> <i>in</i> inbound packets. 	No

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ip access-list	ip access-list	<p>Command Syntax</p> <pre>ip access-list list_name no ip access-list list_name default ip access-list list_name</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>list_name</i> Name of ACL. Must begin with an alphabetic character. Cannot contain spaces or quotation marks. 	No
ip access-list standard	ip access-list standard	<p>Command Syntax</p> <pre>ip access-list standard list_name no ip access-list standard list_name default ip access-list standard list_name</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>list_name</i> Name of standard ACL. Must begin with an alphabetic character. Cannot contain spaces or quotation marks. 	No
ip address	ip address	<p>Command Syntax</p> <pre>ip address ipv4_subnet [PRIORITY] no ip address [ipv4_subnet] [PRIORITY] default ip address [ipv4_subnet] [PRIORITY]</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>ipv4_subnet</i> IPv4 and subnet address (CIDR or address-mask notation). <i>Running-config</i> stores value in CIDR notation. <i>PRIORITY</i> interface priority. Options include: <ul style="list-style-type: none"> <no parameter> the address is the primary IPv4 address for the interface. secondary the address is the secondary IPv4 address for the interface. 	No

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ip as-path access-list	ip as-path access-list	<p>Command Syntax</p> <pre>ip as-path access-list list_name FILTER_TYPE regex ORIGIN no ip as-path access-list list_name default ip as-path access-list list_name</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>list_name</i> the name of the AS path access list.• <i>FILTER_TYPE</i> access resolution of the specified AS path. Options include:<ul style="list-style-type: none">— permit access is permitted.— deny access is denied.• <i>regex</i> a regular expression describing the AS path being filtered. Regular expressions are pattern matching strings that are composed of text characters and operators (Section 3.2.6).• <i>ORIGIN</i> the origin of the path information. Values include:<ul style="list-style-type: none">— <no parameter> sets the origin to <i>any</i>.— any any BGP origin.— egp EGP origin.— igp IGP origin.— incomplete incomplete origin.	No

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ip community-list expanded	ip community-list expanded	<p>Command Syntax</p> <pre>ip community-list expanded listname FILTER_TYPE R_EXP no ip community-list expanded listname default community-list expanded listname</pre> <p>Parameters</p> <ul style="list-style-type: none"> • <i>listname</i> name of the community list. Valid input is text. • <i>FILTER_TYPE</i> access resolution of the specified community. Options include: <ul style="list-style-type: none"> — permit access is permitted. — deny access is denied. • <i>R_EXP</i> list of communities, formatted as a regular expression. Regular expressions are pattern matching strings that are composed of text characters and operators (Section 3.2.6) 	No

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ip community-list standard	ip community-list standard	<p>Command Syntax</p> <pre>ip community-list standard listname FILTER_TYPE COMM_1 [COMM_2...COMM_n] no ip community-list standard listname default ip community-list standard listname</pre> <p>Parameters</p> <ul style="list-style-type: none"> • <i>listname</i> name of the community list. Valid input is text. • <i>FILTER_TYPE</i> access resolution of the specified community. Options include: <ul style="list-style-type: none"> — permit access is permitted. — deny access is denied. • <i>COMM_x</i> community number or name, as specified in the route map that sets the community list number. <ul style="list-style-type: none"> — <i>aa:nn</i> AS and network number, separated by colon. Each value ranges from 1 to 4294967295. — <i>number</i> community number. Values range from 1 to 4294967040. — internet advertises route to Internet community. — local-as advertises route only to local peers. — no-advertise does not advertise route to any peer. — no-export advertises route only within BGP AS boundary. 	No
ip dhcp smart-relay	ip dhcp smart-relay	<p>Command Syntax</p> <pre>ip dhcp smart-relay no ip dhcp smart-relay default ip dhcp smart-relay</pre>	Yes
ip dhcp smart-relay global	ip dhcp smart-relay global	<p>Command Syntax</p> <pre>ip dhcp smart-relay global no ip dhcp smart-relay global default ip dhcp smart-relay global</pre>	Yes

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Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip dhcp snooping	ip dhcp snooping	Command Syntax ip dhcp snooping no ip dhcp snooping default ip dhcp snooping	Yes
ip dhcp snooping information option	ip dhcp snooping information option	Command Syntax ip dhcp snooping information option no ip dhcp snooping information option default ip dhcp snooping information option	Yes
ip dhcp snooping vlan	ip dhcp snooping vlan	Command Syntax ip dhcp snooping vlan <i>v_range</i> no ip dhcp snooping vlan <i>v_range</i> default ip dhcp snooping vlan <i>v_range</i>	No

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ip domain lookup	ip domain lookup	<p>Command Syntax</p> <pre>ip domain lookup [VRF_INSTANCE] source-interface INTF_NAME no ip domain lookup [VRF_INSTANCE] source-interface default ip domain lookup [VRF_INSTANCE] source-interface</pre> <p>Parameters</p> <ul style="list-style-type: none"> • VRF_INSTANCE specifies the VRF instance being modified. <ul style="list-style-type: none"> — <no parameter> changes are made to the default VRF. — vrf vrf_name changes are made to the specified VRF. • INTF_NAME name of source interface to be used for DNS requests. Options include: <ul style="list-style-type: none"> — ethernet e_num Ethernet interface specified by <i>e_num</i>. — loopback l_num Loopback interface specified by <i>l_num</i>. — management m_num Management interface specified by <i>m_num</i>. — port-channel p_num Port-channel interface specified by <i>p_num</i>. — vlan v_num VLAN interface specified by <i>v_num</i>. 	No
ip domain name	ip domain-name	<p>Command Syntax</p> <pre>ip domain-name string no ip domain-name default ip domain-name</pre> <p>Parameters</p> <ul style="list-style-type: none"> • string domain name (text string) 	No

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ip extcommunity- list expanded	ip extcommunity- list expanded	<p>Command Syntax</p> <pre>ip extcommunity-list expanded listname <i>FILTER_TYPE</i> R_EXP no ip extcommunity-list expanded listname default ip extcommunity-list expanded listname</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>listname</i> name of the extended community list. Valid input is text.• <i>FILTER_TYPE</i> access resolution of the specified extended community list. Options include:<ul style="list-style-type: none">— permit access is permitted.— deny access is denied.• <i>R_EXP</i> list of communities, formatted as a regular expression. Regular expressions are pattern matching strings that are composed of text characters and operators.<ul style="list-style-type: none">— Expressions beginning <i>RT:</i> match the <i>route target</i> extended community attribute option.— Expressions beginning <i>SoO:</i> match the <i>site of origin</i> extended community attribute option.<p><i>RT:</i> and <i>SoO:</i> are case sensitive.</p><p>Section 3.2.6 describes regular expressions.</p>	No

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ip extcommunity-list standard	ip extcommunity-list standard	<p>Command Syntax</p> <pre>ip extcommunity-list standard listname FILTER_TYPE COMM_1 [COMM_2...COMM_n] no ip extcommunity-list standard listname default ip extcommunity-list standard listname</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>listname</i> name of the extended community list. Valid input is text.• <i>FILTER_TYPE</i> access resolution of the specified extended community list. Options include:<ul style="list-style-type: none">— permit access is permitted.— deny access is denied.• <i>COMM_x</i> extended community attribute. Options include:<ul style="list-style-type: none">— rt aa:nn route target, as specified by autonomous system:network number— rt ip_addr:nn route target, as specified by ip address:network number— soo aa:nn site of origin, as specified by autonomous system:network number— soo ip_addr:nn site of origin, as specified by ip address:network number	No
ip helper-address	ip helper-address	<p>Command Syntax</p> <pre>ip helper-address ipv4_addr no ip helper-address [ipv4_addr] default ip helper-address [ipv4_addr]</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>ipv4_addr</i> DHCP server address accessed by interface.	No

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ip host	ip host	<p>Command Syntax</p> <pre>ip host hostname hostadd_1 [hostadd_2] ... [hostadd_X] no ip host [hostname] [hostadd_1] [hostadd_2] [hostadd_X] default ip host [hostname] [hostadd_1] [hostadd_2] [hostadd_X]</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>hostname</i> hostname (text).• <i>hostadd_N</i> IPv4 address associated with hostname (dotted decimal notation).	No
ip http client source-interface	ip http client source-interface	<p>Command Syntax</p> <pre>ip http client source-interface INTERFACE no ip http client source-interface default ip http client source-interface</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>INTERFACE</i> Interface providing the IP address. Options include:<ul style="list-style-type: none">— ethernet <i>e_num</i> Ethernet interface specified by <i>e_num</i>.— loopback <i>l_num</i> Loopback interface specified by <i>l_num</i>.— management <i>m_num</i> Management interface specified by <i>m_num</i>.— port-channel <i>p_num</i> Port-channel interface specified by <i>p_num</i>.— vlan <i>v_num</i> VLAN interface specified by <i>v_num</i>.	No
ip icmp redirect	ip icmp redirect	<p>Command Syntax</p> <pre>ip icmp redirect no ip icmp redirect default ip icmp redirect</pre>	Yes

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ip igmp last-member-query-count	ip igmp last-member-query-count	<p>Command Syntax</p> <pre>ip igmp last-member-query-count <i>number</i> no ip igmp last-member-query-count default ip igmp last-member-query-count</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>number</i> query message quantity. Values range from 1 to 3. Default is 2. 	No
ip igmp last-member-query-interval	ip igmp last-member-query-interval	<p>Command Syntax</p> <pre>ip igmp last-member-query-interval <i>period</i> no ip igmp last-member-query-interval default ip igmp last-member-query-interval</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>period</i> transmission interval (deciseconds) between consecutive group-specific query messages. <p>Value range: 10 (one second) to 317440 (8 hours, 49 minutes, 4 seconds). Default is 10 (one second)</p>	No
ip igmp query-interval	ip igmp query-interval	<p>Command Syntax</p> <pre>ip igmp query-interval <i>period</i> no ip igmp query-interval default ip igmp query-interval</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>period</i> interval (seconds) between IGMP query messages. Values range from 1 to 3175 (52 minutes, 55 seconds). Default is 125. 	No

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ip igmp query-max-response-time	ip igmp query-max-response-time	<p>Command Syntax</p> <pre>ip igmp query-max-response-time <i>period</i> no ip igmp query-max-response-time default ip igmp query-max-response-time</pre> <p>Parameters</p> <ul style="list-style-type: none"><i>period</i> maximum response time (deciseconds). Values range from 1 to 31744 (52 minutes, 54 seconds). Default is 100 (ten seconds).	No
ip igmp snooping	ip igmp snooping	<p>Command Syntax</p> <pre>ip igmp snooping no ip igmp snooping default ip igmp snooping</pre>	Yes
ip igmp snooping querier	ip igmp snooping querier	<p>Command Syntax</p> <pre>ip igmp snooping querier no ip igmp snooping querier default ip igmp snooping querier</pre>	Yes
ip igmp snooping vlan	ip igmp snooping vlan	<p>Command Syntax</p> <pre>ip igmp snooping vlan <i>v_range</i> no ip igmp snooping vlan <i>v_range</i> default ip igmp snooping vlan <i>v_range</i></pre> <p>Parameters</p> <ul style="list-style-type: none"><i>v_range</i> VLANs upon which snooping is enabled. Formats include a number, a number range, or a comma-delimited list of numbers and ranges. Numbers range from 1 to 4094.	No

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ip igmp snooping vlan immediate-leave	ip igmp snooping vlan immediate-leave	<p>Command Syntax</p> <pre>ip igmp snooping vlan v_range immediate-leave no ip igmp snooping vlan v_range immediate-leave default ip igmp snooping vlan v_range immediate-leave</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>v_range</i> VLAN IDs. Formats include a number, number range, or comma-delimited list of numbers and ranges. Numbers range from 1 to 4094. 	No
ip igmp snooping vlan mrouter	ip igmp snooping vlan mrouter	<p>Command Syntax</p> <pre>ip igmp snooping vlan v_range mrouter interface STATIC_INT no ip igmp snooping vlan v_range mrouter interface STATIC_INT default ip igmp snooping vlan v_range mrouter interface STATIC_INT</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>v_range</i> VLAN IDs. Formats include a number, number range, or comma-delimited list of numbers and ranges. Numbers range from 1 to 4094. <i>STATIC_INT</i> interface the command configures as a static port. Selection options include: <ul style="list-style-type: none"> — ethernet <i>e_range</i> where <i>e_range</i> is the number, range, or list of ethernet ports — port-channel <i>p_range</i> where <i>p_range</i> is the number, range, or list of channel ports <p>The <i>STATIC_INT</i> interface must route traffic through a VLAN specified within <i>v_range</i>.</p>	No

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ip igmp snooping vlan static	ip igmp snooping vlan static	<p>Command Syntax</p> <pre>ip igmp snooping vlan v_num static ipv4_addr interface STATIC_INT no ip igmp snooping vlan v_num static ipv4_addr interface STATIC_INT default ip igmp snooping vlan v_num static ipv4_addr interface STATIC_INT</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>v_num</i> VLAN number. Value ranges from 1 to 4094. <i>ipv4_addr</i> multicast group IPv4 address. <i>STATIC_INT</i> interface the command configures as the static group member. Options include: <ul style="list-style-type: none"> ethernet <i>e_range</i>, where <i>e_range</i> is the number, range, or list of Ethernet ports port-channel <i>p_range</i>, where <i>p_range</i> is the number, range, or list of channel ports 	No
ip igmp startup-query-interval	ip igmp startup-query-interval	<p>Command Syntax</p> <pre>ip igmp startup-query-interval period no ip igmp startup-query-interval default ip igmp startup-query-interval</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>period</i> startup query interval, in deciseconds. Value ranges from 10 (one second) to 317440 (8 hours, 49 minutes, 4 seconds). Default is 31 seconds. 	No
ip igmp startup-query-count	ip igmp startup-query-count	<p>Command Syntax</p> <pre>ip igmp startup-query-count number no ip igmp startup-query-count default ip igmp startup-query-count</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>number</i> quantity of queries. Values range from 1 to 65535. Default is 2. 	No

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ip igmp static-group	ip igmp static-group	<p>Command Syntax</p> <pre>ip igmp static-group group_address [SOURCE_ADDRESS] no ip igmp static-group group_address [SOURCE_ADDRESS] default ip igmp static-group group_address [SOURCE_ADDRESS]</pre> <p>Parameters</p> <ul style="list-style-type: none"> • <i>group_address</i> IPv4 address of multicast group for which the interface fast-switches packets. • <i>SOURCE_ADDRESS</i> IP address of host that originates multicast data packets. <p>— <no parameter> all multicast messages of the specified group are fast-switched.</p> <p>— <i>ipv4_address</i> source IP address (dotted decimal notation).</p>	No
ip igmp version	ip igmp version	<p>Command Syntax</p> <pre>ip igmp version version_number no ip igmp version default ip igmp version</pre> <p>Parameters</p> <ul style="list-style-type: none"> • <i>version_number</i> IGMP version number. Value ranges from 1 to 3. 	No

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ip load-sharing	ip load-sharing	<p>Command Syntax</p> <pre>ip load-sharing <i>HARDWARE</i> <i>seed</i> no ip load-sharing <i>HARDWARE</i> default ip load-sharing <i>HARDWARE</i></pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>HARDWARE</i> The ASIC switching device. The available option depend on the switch platform. Verify available options with the CLI ? command.<ul style="list-style-type: none">— arad— fm6000— petraA— trident• <i>seed</i> The hash seed. Value range varies by switch platform. The default value on all platforms is 0.:<ul style="list-style-type: none">— when <i>HARDWARE</i>=arad <i>seed</i> ranges from 0 to 2.— when <i>HARDWARE</i>=fm6000 <i>seed</i> ranges from 0 to 39.— when <i>HARDWARE</i>=petraA <i>seed</i> ranges from 0 to 2.— when <i>HARDWARE</i>=trident <i>seed</i> ranges from 0 to 5.	No
ip local-proxy-arp	ip local-proxy-arp	<p>Command Syntax</p> <pre>ip local-proxy-arp no ip local-proxy-arp default ip local-proxy-arp</pre>	Yes

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ip msdp cache-sa-state	ip msdp cache-sa-state	Command Syntax <code>ip msdp cache-sa-state</code>	Yes
ip msdp default-peer	ip msdp default-peer	Command Syntax <code>ip msdp default-peer peer_id [PREFIX]</code> <code>no ip msdp default-peer peer_id</code> <code>default ip msdp default-peer peer_id</code> Parameters <ul style="list-style-type: none">• <i>peer_id</i> MSDP peer (IPv4 address).• <i>PREFIX</i> List of RPs from the SA messages originate for which the default peer is valid.<ul style="list-style-type: none">— <no parameter> default peer is valid for SAs from all originating RPs.— prefix-list <i>list_name</i> name of the prefix list that defines affected originating RP prefixes.	No
ip msdp description	ip msdp description	Command Syntax <code>ip msdp peer_id description description_string</code> <code>no ip msdp peer_id description</code> <code>default ip msdp peer_id description</code> Parameters <ul style="list-style-type: none">• <i>peer_id</i> MSDP peer (IPv4 address).• <i>description_string</i> text string that is associated with neighbor.	No

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ip msdp group-limit	ip msdp group-limit	<p>Command Syntax</p> <pre>ip msdp group-limit <i>quantity</i> source <i>src_subnet</i> no ip msdp group-limit <i>quantity</i> source <i>src_subnet</i> default ip msdp group-limit <i>quantity</i> source <i>src_subnet</i></pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>quantity</i> maximum number of groups that can access the interface. Value ranges from 1 to 40000.• <i>src_subnet</i> Source IPv4 subnet (CIDR or address-mask notation).	No
ip msdp keepalive	ip msdp keepalive	<p>Command Syntax</p> <pre>ip msdp keepalive <i>peer_id</i> <i>keep_alive</i> <i>hold_time</i> no ip msdp keepalive <i>peer_id</i> default ip msdp keepalive <i>peer_id</i></pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>peer_id</i> MSDP peer address (IPv4 address).• <i>keep_alive</i> keepalive period (seconds). Value ranges from 1 to 65535. Default value is 60.• <i>hold_time</i> hold time (seconds). Value ranges from 1 to 65535. Default value is 75.	No
ip msdp mesh-group	ip msdp mesh-group	<p>Command Syntax</p> <pre>ip msdp mesh-group <i>group_name</i> <i>peer_id</i> no ip msdp mesh-group <i>group_name</i> [<i>peer_id</i>] default ip msdp mesh-group <i>group_name</i> [<i>peer_id</i>]</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>group_name</i> name of mesh group.• <i>peer_id</i> MSDP peer address (IPv4 address).	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp originator-id	ip msdp originator-id	<p>Command Syntax</p> <pre>ip msdp originator-id <i>INTERFACE</i> no ip msdp originator-id <i>INTERFACE</i> default ip msdp originator-id <i>INTERFACE</i></pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>INTERFACE</i> Specifies the interface from which the IP address is derived. Options include: <ul style="list-style-type: none"> ethernet <i>e_num</i> Ethernet interface. loopback <i>l_num</i> Loopback interface. management <i>m_num</i> Management interface. port-channel <i>p_num</i> Port-Channel Interface. vlan <i>v_num</i> VLAN interface. vxlan <i>vx_num</i> VXLAN interface. 	No
ip msdp peer	ip msdp peer	<p>Command Syntax</p> <pre>ip msdp peer <i>peer_id</i> [<i>CONNECTION</i>] no ip msdp peer <i>peer_id</i> default ip msdp peer <i>peer_id</i></pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>peer_id</i> MSDP peer address (IPv4 address). <i>CONNECTION</i> interface through which TCP session connects. Options include: <ul style="list-style-type: none"> <no parameter> determined through previously configured protocol. connect-source ethernet <i>e_num</i> Ethernet interface. connect-source loopback <i>l_num</i> Loopback interface. connect-source management <i>m_num</i> Management interface. connect-source port-channel <i>p_num</i> Port-Channel Interface. connect-source vlan <i>v_num</i> VLAN interface. connect-source vxlan <i>vx_num</i> VXLAN interface. 	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp sa-filter in	ip msdp sa-filter in	<p>Command Syntax</p> <pre>ip msdp sa-filter in peer_id list list_name no ip msdp sa-filter in peer_id default ip msdp sa-filter in peer_id</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>peer_id</i> MSDP peer address (IPv4 address).• <i>list_name</i> name of ACL that filters SA messages.	No
ip msdp sa-filter out	ip msdp sa-filter out	<p>Command Syntax</p> <pre>ip msdp sa-filter out peer_id list list_name no ip msdp sa-filter out peer_id default ip msdp sa-filter out peer_id</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>peer_id</i> MSDP peer address (IPv4 address).• <i>list_name</i> name of ACL that filters SA messages.	No
ip msdp sa-limit	ip msdp sa-limit	<p>Command Syntax</p> <pre>ip msdp sa-limit peer_id quantity no ip msdp sa-limit peer_id default ip msdp sa-limit peer_id</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>peer_id</i> MSDP peer (IPv4 address).• <i>quantity</i> maximum number of SA messages that the switch can store. Value ranges from 0 to 40000.	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp shutdown	ip msdp shutdown	<p>Command Syntax</p> <pre>ip msdp peer_id shutdown no ip msdp peer_id shutdown default ip msdp peer_id shutdown</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>peer_id</i> MSDP peer (IPv4 address).	No
ip msdp timer	ip msdp timer	<p>Command Syntax</p> <pre>ip msdp timer connect_retry no ip msdp timer connect_retry default ip msdp timer connect_retry</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>connect_retry</i> Reconnect period (seconds). Value ranges from 1 to 65535. Default is 30.	No
ip multicast boundary	ip multicast boundary	<p>Command Syntax</p> <pre>ip multicast boundary SUB_NET [TCAM] no ip multicast boundary [SUB_NET] default ip multicast boundary [SUB_NET]</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>SUB_NET</i> the subnet address configured as the multicast boundary. Options include:<ul style="list-style-type: none">— <i>net_addr</i> multicast subnet address (CIDR or address mask).— <i>acl_name</i> standard access control list (ACL) that specifies the multicast group addresses.• <i>TCAM</i> specifies address inclusion in the routing table. Options include:<ul style="list-style-type: none">— <no parameter> boundaries ((S,G) entries) are added to routing table.— out boundaries are not added to routing table.	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip multicast-routing	ip multicast-routing	Command Syntax <code>ip multicast-routing</code> <code>no ip multicast-routing</code> <code>default ip multicast-routing</code>	Yes
ip name-server	ip name-server	Command Syntax <code>ip name-server [VRF_INSTANCE] SERVER_1 [SERVER_2] [SERVER_3]</code> <code>no ip name-server [VRF_INSTANCE] [SERVER_1] [SERVER_2] [SERVER_3]</code> <code>default ip name-server [VRF_INSTANCE] [SERVER_1] [SERVER_2] [SERVER_3]</code> Parameters <ul style="list-style-type: none">• VRF_INSTANCE specifies the VRF instance containing the addresses.<ul style="list-style-type: none">— <no parameter> default VRF.— vrf vrf_name a user-defined VRF.• SERVER_X IP address of the name server (dotted decimal notation). Options include:<ul style="list-style-type: none">— <i>ipv4_addr</i> (A.B.C.D)— <i>ipv6_addr</i> (A:B:C:D:E:F:G:H) A command can contain both (IPv4 and IPv6) address types.	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip nat pool	ip nat pool	<p>Command Syntax</p> <pre>ip nat pool pool_name [ADDRESS_SPAN] SUBNET_SIZE no ip nat pool pool_name default ip nat pool pool_name</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>pool_name</i> name of the IP address pool. <i>ADDRESS_SPAN</i> Options include: <ul style="list-style-type: none"> <i>start_addr</i> The first IP address in the address pool (IPv4 addresses in dotted decimal notation). <i>end_addr</i> The last IP address in the address pool. (IPv4 addresses in dotted decimal notation). <i>SUBNET_SIZE</i> this functions as a sanity check to ensure it is not a network or broadcast network. Options include: <ul style="list-style-type: none"> netmask <i>ipv4_addr</i> The netmask of the address pool's network (dotted decimal notation). prefix-length <0 to 32> The number of bits of the netmask (of the address pool's network) that are ones (how many bits of the address indicate network). 	No
ip nat translation tcp-timeout	ip nat translation tcp-timeout	<p>Command Syntax</p> <pre>ip nat translation tcp-timeout period no ip nat translation tcp-timeout default ip nat translation tcp-timeout</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>period</i> Time-out period in seconds for port translations. Value ranges from 0 to 4294967295. Default value is 86400 (24 hours). 	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip nat translation udp-timeout	ip nat translation udp-timeout	<p>Command Syntax</p> <pre>ip nat translation udp-timeout <i>period</i> no ip nat translation udp-timeout default ip nat translation udp-timeout</pre> <p>Parameters</p> <ul style="list-style-type: none"><i>period</i> Value ranges from 0 to 4294967295. Default value is 300 (5 minutes).	No
ip ospf authentication	ip ospf authentication	<p>Command Syntax</p> <pre>ip ospf authentication [<i>METHOD</i>] no ip ospf authentication default ip ospf authentication</pre> <p>Parameters</p> <ul style="list-style-type: none"><i>METHOD</i> OSPFv2 authentication method. Options include:<ul style="list-style-type: none"><no parameter>message-digest	Yes

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf authentication-key	ip ospf authentication-key	<p>Command Syntax</p> <pre>ip ospf authentication-key [ENCRYPT_TYPE] key_text no ip ospf authentication-key default ip ospf authentication-key</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>ENCRYPT_TYPE</i> encryption level of the <i>key_text</i> parameter. Values include:<ul style="list-style-type: none">— <no parameter> the <i>key_text</i> is in clear text.— 0 <i>key_text</i> is in clear text. Equivalent to <no parameter>.— 7 <i>key_text</i> is MD5 encrypted.• <i>key_text</i> the authentication-key password.	No
ip ospf bfd	ip ospf bfd	<p>Command Syntax</p> <pre>ip ospf bfd no ip ospf bfd default ip ospf bfd</pre>	Yes
ip ospf cost	ip ospf cost	<p>Command Syntax</p> <pre>ip ospf cost interface_cost no ip ospf cost default ip ospf cost</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>interface_cost</i> Value ranges from 1 to 65535; default is 10.	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf dead-interval	ip ospf dead-interval	<p>Command Syntax</p> <pre>ip ospf dead-interval <i>time</i> no ip ospf dead-interval default ip ospf dead-interval</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>time</i> Value ranges from 1 to 8192; default is 40. 	No
ip ospf hello-interval	ip ospf hello-interval	<p>Command Syntax</p> <pre>ip ospf hello-interval <i>time</i> no ip ospf hello-interval default ip ospf hello-interval</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>time</i> hello interval (seconds). Values range from 1 to 8192; default is 10. 	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf message-digest-key	ip ospf message-digest-key	<p>Command Syntax</p> <pre>ip ospf message-digest-key <i>key_id</i> md5 <i>ENCRYPT_TYPE</i> <i>key_text</i> no ip ospf message-digest-key <i>key_id</i> default ip ospf message-digest-key <i>key_id</i></pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>key_id</i> key ID number. Value ranges from 1 to 255.• <i>ENCRYPT_TYPE</i> encryption level of the <i>key_text</i> parameters. Values include:<ul style="list-style-type: none">— <no parameter>— 0 <i>key_text</i>— 7 <i>key_text</i>• <i>key_text</i> message key (password).	No
ip ospf name-lookup	ip ospf name-lookup	<p>Command Syntax</p> <pre>ip ospf name-lookup no ip ospf name-lookup default ip ospf name-lookup</pre>	Yes
ip ospf network	ip ospf network	<p>Command Syntax</p> <pre>ip ospf network point-to-point no ip ospf network default ip ospf network</pre>	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf priority	ip ospf priority	Command Syntax <code>ip ospf priority <i>priority_level</i></code> <code>no ip ospf priority</code> <code>default ip ospf priority</code> Parameters <ul style="list-style-type: none"><i>priority_level</i> priority level. Value ranges from 0 to 255. Default value is 1.	No
ip ospf retransmit-interval	ip ospf retransmit-interval	Command Syntax <code>ip ospf retransmit-interval <i>period</i></code> <code>no ip ospf retransmit-interval</code> <code>default ip ospf retransmit-interval</code> Parameters <ul style="list-style-type: none"><i>period</i> retransmission interval (seconds). Value ranges from 1 to 8192; default is 5.	No
ip ospf shutdown	ip ospf shutdown	Command Syntax <code>ip ospf shutdown</code> <code>no ip ospf shutdown</code> <code>default ip ospf shutdown</code>	Yes

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf transmit-delay	ip ospf transmit-delay	<p>Command Syntax</p> <pre>ip ospf transmit-delay trans no ip ospf transmit-delay default ip ospf transmit-delay</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>trans</i> LSA transmission delay (seconds). Value ranges from 1 to 8192; default is 1. 	No
ip pim anycast-rp	ip pim anycast-rp	<p>Command Syntax</p> <pre>ip pim anycast-rp rp_addr peer_addr [REGISTER] no ip pim anycast-rp rp_addr [peer_addr] default ip pim anycast-rp rp_addr [peer_addr]</pre> <p>Parameters</p> <ul style="list-style-type: none"> <i>rp_addr</i> Rendezvous point IP address (dotted decimal notation). <i>peer_addr</i> IP address of an anycast-RP set member (dotted decimal notation). REGISTER Number of unacknowledged register messages the switch sends to the peer router. <ul style="list-style-type: none"> <No parameter> register count is set to default value of 10. register-count <i>r_num</i> where <i>r_num</i> is an integer that ranges from 1 to 4294967295. register-count infinity 	No
ip pim bfd	ip pim bfd	<p>Command Syntax</p> <pre>ip pim bfd no ip pim bfd default ip pim bfd</pre>	Yes

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim bfd-instance	ip pim bfd-instance	Command Syntax ip pim bfd-instance no ip pim bfd-instance default ip pim bfd-instance	Yes
ip pim bsr-border	ip pim bsr-border	Command Syntax ip pim bsr-border no ip pim bsr-border default ip pim bsr-border	Yes

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim bsr-candidate	ip pim bsr-candidate	<p>Command Syntax</p> <pre>ip pim bsr-candidate <i>INTERFACE</i> [<i>HASHMASK_LENGTH</i>] [<i>INTERVAL_PERIOD</i>] [<i>PRIORITY_NUM</i>] no ip pim bsr-candidate [<i>priority</i>] [<i>interval</i>] default ip pim bsr-candidate [<i>priority</i>] [<i>interval</i>]</pre> <p>Parameters</p> <ul style="list-style-type: none">• <i>INTERFACE</i> Switch uses IP address of specified interface as its BSR address. Options include:<ul style="list-style-type: none">— ethernet <i>e_num</i> Ethernet interface specified by <i>e_num</i>.— loopback <i>l_num</i> Loopback interface specified by <i>l_num</i>.— management <i>m_num</i> Management interface specified by <i>m_num</i>.— port-channel <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.— vlan <i>v_num</i> VLAN interface specified by <i>v_num</i>.• <i>HASHMASK_LENGTH</i> Length (in bits) of the hash mask.<ul style="list-style-type: none">— <no parameter> hash mask remains unchanged from previous setting.— hashmask <0 - 32> hash mask length (in bits). Default value is 30.• <i>INTERVAL_PERIOD</i> Period between the transmission of BSMs (seconds). Default value is 60.<ul style="list-style-type: none">— <no parameter> interval remains unchanged from previous setting.— interval <10 - 536870906> transmission interval in seconds.• <i>PRIORITY_NUM</i> BSR election priority rating. Larger numbers denote higher priority. Default value is 64.<ul style="list-style-type: none">— <no parameter> priority remains unchanged from previous setting.— priority <0 - 255> priority rating.	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim dr-priority	ip pim dr-priority	Command Syntax <code>ip pim dr-priority level</code> <code>no ip pim dr-priority [level]</code> <code>default ip pim dr-priority [level]</code> Parameters <ul style="list-style-type: none"><code>level</code> DR selection priority rating. Value ranges from 0 to 4294967295.	No
ip pim log-neighbor-changes	ip pim log-neighbor-changes	Command Syntax <code>ip pim log-neighbor-changes</code> <code>no ip pim log-neighbor-changes</code> <code>default ip pim log-neighbor-changes</code>	Yes
ip pim neighbor-filter	ip pim neighbor-filter	Command Syntax <code>ip pim neighbor-filter access_list</code> <code>no ip pim neighbor-filter</code> <code>default ip pim neighbor-filter</code> Parameters <ul style="list-style-type: none"><code>access_list</code> name of the standard IP access list.	No

APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim query-interval	ip pim query-interval	<p>Command Syntax</p> <pre>ip pim query-interval <i>period</i> no ip pim query-interval [<i>period</i>] default ip pim query-interval [<i>period</i>]</pre> <p>Parameters</p> <ul style="list-style-type: none"><i>period</i> query interval (seconds). Value ranges from 1 to 1000000 (1 million). Default is 30.	No
ip pim register-source	ip pim register-source	<p>Command Syntax</p> <pre>ip pim register-source <i>INT_NAME</i> no ip pim register-source default ip pim register-source</pre> <p>Parameters</p> <ul style="list-style-type: none"><i>INT_NAME</i> Interface type and number. Values include:<ul style="list-style-type: none">— ethernet <i>e_num</i> Ethernet interface specified by <i>e_num</i>.— loopback <i>l_num</i> Loopback interface specified by <i>l_num</i>.— management <i>m_num</i> Management interface specified by <i>m_num</i>.— port-channel <i>p_num</i> Port channel interface specified by <i>p_num</i>.— vlan <i>v_num</i> VLAN interface specified by <i>v_num</i>.	No